

CONTROLLED-PUNCTURE FILMS

Abstract

- 5 The present invention discloses methods of controlling the puncturability, and
optionally the sealability (the ability of a film to conform around a puncturing object)
and resealability (the ability of a film to close a hole made by a puncturing object), of
polymeric films. Systems comprising a film and puncturing object are also disclosed.
Puncturability is controlled by achieving targeted levels of the friction between the film
10 and a puncturing object, the film's flexural rigidity, the film's recovering stress, and the
film's elongation at break